

# *Impaq E* *Impaq Plus*

## SHOCK SENSORS



The cost effective *Impaq E*<sup>™</sup> and the advanced *Impaq Plus*<sup>™</sup> from Texecom are based on the award-winning *Impaq* shock sensor. Simple to set-up, with an increased dual sensitivity range and exceptionally high false alarm immunity, these stylish detectors are ideal for use in almost any environment. The *Impaq Plus* has a host of additional features to further aid installation and enhance performance.

### Outstanding features include:

- ✓ INCREASED DUAL SENSITIVITY RANGE
- ✓ EASY SET-UP PROCEDURE
- ✓ FULLY ADJUSTABLE DETECTION
- ✓ ULTRA HIGH FALSE ALARM IMMUNITY
- ✓ CONFORMALLY COATED ELECTRONICS
- ✓ SELECTABLE LED INDICATION
- ✓ SURFACE MOUNT TECHNOLOGY (SMT)
- ✓ AVAILABLE IN WHITE OR BROWN

### *Impaq Plus* additional features:

- ✓ TRI-COLOUR LED INDICATION
- ✓ LATCHING & FIRST TO ALARM INDICATION
- ✓ SELECTABLE FLASHING COMFORT LED
- ✓ GROSS ATTACK INDICATION
- ✓ DIGITAL SIGNAL PROCESSING
- ✓ ADVANCED MICROPROCESSOR
- ✓ OPTO RELAY

PRAGOALARM  
WINNER 1999

*Impaq E* & *Impaq Plus* are trademarks of Texecom Ltd. (IMPE/+ EU3).

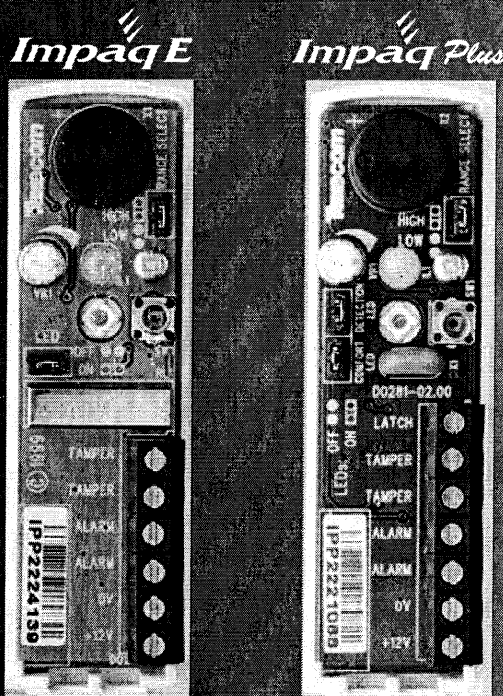
**Texecom**  
[www.texe.com](http://www.texe.com)

## AWARD-WINNING DESIGN

Texcom are proud to introduce two new shock sensors based on the original award-winning *Impaq™*. Easy to install and extremely attractively priced, the *Impaq E* features an improved dual sensitivity range yet still maintains exceptional false alarm immunity.

The microprocessor based *Impaq Plus* has a host of new features to further aid installation and enhance performance. Texcom's unique digital signal processing warns the engineer if the sensitivity is set too high or low for that particular installation. The opto relay in the *Impaq Plus* is silent, totally immune to magnetic interference and with no mechanical parts will never stick or wear out. A selectable flashing comfort LED warns potential intruders of the perimeter detection although this can be disabled if required.

When combined with the aesthetic design and ample wiring space, all these features make the *Impaq E* and the *Impaq Plus* the ideal choice for any installation.



## COMPARISON TABLE

KEY FEATURES	<i>Impaq E</i>	<i>Impaq Plus</i>
Adjustable Sensitivity	✓	✓
EMC: Exceeds EN50130-4	✓	✓
Engineer Set-up	✓	✓
Detection LED	✓	✓
LED Disable	✓	✓
Surface Mount Technology	✓	✓
Opto Relay		✓
Comfort LED		✓
Independent Comfort LED Disable		✓
Gross Attack LED		✓
Tri-colour LED		✓
Digital Signal Processing		✓
Latch Input		✓
First to Alarm		✓
Microprocessor Technology		✓
CE Mark	✓	✓

## SPECIFICATION

### ELECTRICAL

Supply Voltage 9 - 16Vdc (nominal).

Current:

*Impaq E* 9mA typical.

*Impaq Plus* 15mA typical.

Maximum Ripple 2Vpp 10Hz - 100Hz @ 12Vdc.

Alarm Output:

*Impaq E* Normally closed (fail-safe) voltage free contacts. Rated at 24Vdc, 50mA protected by a 18Ω series resistor.

*Impaq Plus* Normally closed (fail-safe) voltage free contacts. Rated at 350Vdc, 100mA. Optical Relay, typically 16Ω contact resistance.

Tamper Output Normally closed voltage free contacts. Rated at 24Vdc, 50mA.

Alarm Period >2 seconds typical.

Detection LED Internal link to enable/disable.

Comfort LED (*Impaq Plus* Only) Internal link to enable/disable.

Detection Method Proprietary piezo electric transducer.

### ENVIRONMENTAL

Operating Temperature 0°C (+32°F) to +55°C (+131°F).

Storage Temperature -20°C (-4°F) to +60°C (+140°F).

Maximum Humidity 95% non-condensing.

EMC Environment Residential, Commercial and Light Industrial.

### FALSE ALARM PROTECTION

Design Noise reduction circuits with maximum ground plane. TASS™ microprocessor signal processing (*Impaq Plus* Only).

Electrostatic Discharge No false alarms up to 8kV. Complies with BS EN 61000-4-2 : 1995.

Radiated RF Immunity No false alarms from 80MHz to 1GHz at 10V/m 1Hz 100% pulse modulated and 1kHz 80% AM. Complies with BS EN 61000-4-3 : 1997.

Fast Transient Immunity No false alarms up to ±2kV. Complies with BS EN 61000-4-4 : 1995.

High Energy Transient Immunity No false alarms up to ±2kV. Complies with BS EN 61000-4-5 : 1995.

Conducted Emissions Complies with BS EN 55022 : 1995 Class B.

Radiated Emissions Complies with BS EN 55022 : 1995 Class B.

Conducted RF Immunity No false alarms from 150kHz to 80MHz up to 10V/m. Complies with BS EN 61000-4-6 : 1996.

### PHYSICAL

Mounting Window frames, doors, walls and roofs.

Casing Flame retardant ABS.

Dimensions 86mm x 25mm x 21mm.

Packed Weight 40g approx.

### EUROPEAN STANDARDS

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC)

Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC).

Approved to BS EN 55022 Class B and BS EN 50130-4 : 1996.

The CE mark indicates that this product complies with the European requirements for safety, health, environmental and customer protection.

## BEST MANUFACTURER 2000 & 1999 INTRUDER ALARM MANUFACTURER OF THE YEAR 2001 & 2000

1st For offering the best quality products at the right prices

1st For reliability & responsiveness

1st For excellence in customer care & service

1st For providing a high level of support & servicing including training & help lines



Certificate Number: FM 35285

**EASEM**

**BSIA**

British Security Industry Association



IMPE+LEUS